



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Karol Križanovič et al.
Serial No.: 10/579,319
Filed: May 16, 2006
Title: METHOD OF OBTAINING 2-MERCAPTOBENZOTHAZOLE
Examiner: Young, Shawquia
Art Unit: 1626
Confirmation No.: 6554
Customer No.: 27623 Attorney's 1382.021USU

Commissioner for Patents
P.O. Box 1450
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(Date of Deposit)

George W. Rauchfuss, Jr.

Name of Applicant, Assignee, or Registered Rep.


Signature

RESUEST FOR CORRECTION OF PTO FILING RECEIPT AND PTO RECORDS

Honorable Commissioner for Patents:

It is noted that the USPTO Filing Receipt incorrectly spells the first name of the first inventor (Križanovic) as "Karci" when it should be "Karol" as was indicated on the Declaration/Power of Attorney document filed with the application and as also indicated on the first page of the published PCT Application (WO 2005/061471 A1) provide to the USPTO upon the filing of this US Application, copies of both documents being attached hereto for the convenience of the USPTO. Therefore, the PTO is respectfully requested to issue a corrected Filing Receipt and correct the application records in the PTO to reflect the correct spelling of the first name of the inventor Križanovic.

Respectfully submitted,

By:


George W. Rauchfuss, Jr.

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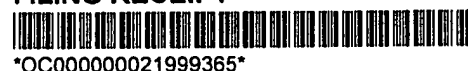
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CONFIRMATION NO. 6554

FILING RECEIPT



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Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

~~Karol~~
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Power of Attorney: The patent practitioners associated with Customer Number **27623**.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/SK04/00018 12/23/2004

Foreign Applications

SLOVAKIA PP 1616-2003 12/23/2003

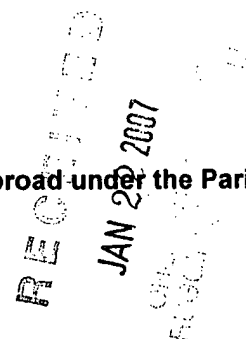
If Required, Foreign Filing License Granted: 01/14/2007

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/579,319**

Projected Publication Date: 04/26/2007

Non-Publication Request: No

Early Publication Request: No



As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for a patent is sought on the invention entitled: METHOD OF OBTAINING 2-MERCATPTOBENZOTHAIOLE

the specification of which

☐ is attached hereto.

☐ was filed on _____ as US National Phase of PCT/SK2004/000018
Application Serial No. _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventors' certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
<u>PP-1616-2003</u> (Number)	<u>Slovak Republic</u> (Country)	<u>23 December 2003</u> (Day/Month/Year Filed)	Yes <u>X</u>	No _____
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	Yes _____	No _____
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	Yes _____	No _____

I hereby claim the benefit under Title 35, United States Code, § 119 and 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT International filing date of this application:

_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status – patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status – patented, pending, abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint Paul D. Greeley, Reg. No. 31,019; Charles N.J. Ruggiero, Reg. No. 28,468; and George W. Rauchfuss, Jr., Reg. No. 24,459; and each of them, my Attorneys, to prosecute this Application, and to transact all business in the U.S. Patent and Trademark Office connected therewith. I hereby authorize these U.S. Attorneys to accept and follow instructions from Majlingová Fajnorová Bachratá as to any action to be taken in the USPTO regarding this Application without direct communication between the U.S. Attorneys and the undersigned. In the event of any change in the authorization, I will notify the U.S. Attorneys in writing.

SEND CORRESPONDENCE TO:	George W. Rauchfuss, Jr. Ohlandt, Greeley, Ruggiero & Perle, L.L.P. One Landmark Square, Tenth Floor Stamford, CT 06901-2682	DIRECT TELEPHONE CALLS TO: George W. Rauchfuss, Jr. Ohlandt, Greeley, Ruggiero & Perle, L.L.P. Tel: (203) 327-4500 FAX: (203) 327-6401
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further than these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Karol Križanovič

Inventor's signature _____

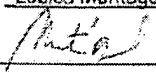
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DECLARATION AND POWER OF ATTORNEY

Full name of second joint inventor Lubica MuntágováInventor's signature Date: - 4. MÁJ 2006Residence Bratislava, Slovak RepublicCitizenship SlovakPost Office Address Tupolevova 18, 851 01 Bratislava, Slovak Republic

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AF, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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Published:

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **METHOD OF OBTAINING 2-MERCAPTOBENZOTHIAZOLE**

(57) Abstract: 2-Mercaptobenzothiazole is obtained from a melt of the raw product prepared by the reaction of aniline, carbon disulphide and sulphur by pressure synthesis in a reactor, where the melt contains 2-mercaptobenzothiazole, unreacted raw materials, intermediate products and pitches, so that after reaching a stationary state of the reaction medium it includes the following steps: a) crystallization of the 2-mercaptobenzothiazole raw product from an aniline solution, b) dividing the liquid phase (F_{K1}) from crystallization from step a) in three parts, c) removing one part of the liquid phase (F_{K1}) from crystallization from step a) out of the process, d) returning the second part of the liquid phase (F_{K2}) from crystallization from step a) into the reactor for preparation of the 2-mercaptobenzothiazole from step a) in the aniline liquid phase and separation of pure 2-mercaptobenzothiazole, f) using the third part of the liquid phase (F_{K3}) from crystallization from step a), supplemented with the liquid phase (F_K) from final purification from step e) and possibly with aniline for crystallization of a further batch of the 2-mercaptobenzothiazole raw product, g) using the liquid phase (F_K) from final purification from step f), together with a part of the liquid phase (F_{K3}) from step e), possibly with aniline, for crystallization of the 2-mercaptobenzothiazole raw product, wherein the steps a) to g) are repeated.